

Sheet 1 of 2

FORM PTO-100

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98

Docket Number: 4015-980
Serial Number: 09/945,002
Applicant: Paul W. Dent
Filing Date: December 5, 2001
Group: 2661

Technology Center 2600

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DEC 20 2001U. S. PATENT DOCUMENTS

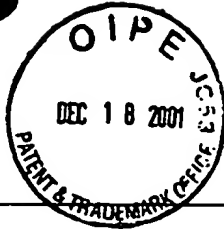
Examiner						Filing Date	
Initial	Patent No.	Date	Name	Class	Subcl	If Approp.	
HMB	A 5,481,572	1996	Skold et al.				
	B 5,499,272	1996	Bottomley				
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	L 5,867,791	1999	Chambert				
	M 5,883,888	1999	St-Pierre				

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Patent No.	Date	Name	Class	Subcl	Yes No

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1	Initial Estimation of Communication Efficiency of Indoor Wireless Channels, G. J. Foschini and R. A. Valenzuela, Wireless Networks 3, pp. 141-154, 1997; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory, Holmdel, NJ 07733, USA
2	On Limits of Wireless Communications in a Fading Environment When Using Multiple Antennas, G. J. Foschini and M.J. Gans, Wireless Personal Communications, Vol. 6 (No.3), pp. 311-335, Kluwer Academic Publishers, March, 1998; Lucent Technologies, Bell Labs Innovations, Crawford Hill Laboratory - R137, 791 Holmdel-Keyport Road, Holmdel, NJ 07733-0400, USA



Sheet 2 of 2

FORM PTO-1449

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98**

Docket Number:	Serial Number:
4015-980	09/945,002
Applicant:	
Paul W. Dent	
Filing Date:	Group:
December 5, 2001	

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U. S. PATENT DOCUMENTS

Examiner		Patent No.	Date	Name	Class	Subcl	If Approp.
Initial							
HMB	N	5,909,460	1999	Dent			
	O	5,930,248	1999	Langlet et al.			
	P	5,940,742	1999	Dent			
	Q	5,963,874	1999	Mahler			
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	S	6,006,075	1999	Smith et al.			
	T	6,081,566	2000	Molnar et al.			
	U	6,088,593	2000	Dent			
	V	6,104,933	2000	Frodigh et al.			

EXAMINER

Huri M. Burch

DATE CONSIDERED

5/8/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.



FORM PTO-1449

Docket Number: | Serial Number:

4015-980 | 09/945,002

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION PURSUANT TO
37 CFR §1.97 & 1.98

Applicant:

Dent, Paul W.

Filing Date:

August 31, 2001

Group:

2631

U. S. PATENT DOCUMENTS

Examiner	Initial	Patent No.	Date	Name	Class	Subcl	Filing Date	If Approp.
	RMB	A 6067324	2000	Harrison, Robert Mark				
		B 6144711	2000	Pollack, Michael A et al				
		C 6473467	2002	Wallace et al				
		D 6434366	2002	Harrison et al				
		E 4995057	1991	Chung, Hong Y			DEC 10 2003	
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	Patent No.	Date	Name	Class	Subcl	Translation	Yes	No
RMB	G WO 0135548	2001	Arraycomm Inc					
	H WO 9809381	1998	University Leland Stanford Jr					
	I EP 1087545	2001	University Singapore					
	J WO 9837671	1998	Globespan Technologies Inc					
	K WO 0197474	2001	Mitsubishi Electric Corp					
	L EP 1067710	2001	CIT Alcatel					
	M EP 1207645	2002	Lucent Technologies Inc					
	N EP 0936781	1999	CIT Alcatel					
	O EP 1075122	2001	Mitsubishi Electric Inf Tech					
	P WO 0199453	2001	Matsushita Electric Ind Co Ltd					
	Q WO 9921375	1999	Ericsson Telefon AB					

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RMB	R	Ying-Chang, Liang et al: "Transmit Antenna Array Techniques for Cellular CDMA Systems" Personal, Indoor and Mobile Radio Communications, 1998. The Ninth IEEE International Symposium on Boston, MA, USA, 8-11 Sept. 1998, New York, NY, USA < IEEE, US, 8 September 1998, pages 1396-1400, XP010314608 ISBN: 0-7803-4872-9
RMB	S	Kawakami E et al: "Multi-Stage Interference Canceller Systems With Accurate Radio Channel Estimation Under Fading Environment" 1997 IEEE 6 th International Conference on Universal Personal Communication Record. San Diego, 12-16 Oct. 1997, IEEE International Conference on Universal Personal Communications, New York, IEEE, US, vol. 2 conf. 6, 12 October 1997, pages 475-479, XP010248754 ISBN: 0-7803-3777-8

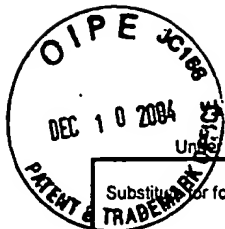
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Kevin M. Burch

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5/8/05

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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	9/945002
				Filing Date	August 31, 2001
				First Named Inventor	Dent
				Art Unit	2631
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	4015-980/P12622-US1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AMH	1	US- 5,940,741	08-17-1999	Briancon et al.	
WNB	2	US- 2002/0036996 A1	03-28-2002	Ozluturk et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>Ther M Bond</i>	Date Considered	5/8/05
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Application Number	09/945,002
Filing Date	August 31, 2001
First Named Inventor	Dent
Art Unit	2631
Examiner Name	
Attorney Docket Number	4015-980/P12622-US

Examiner Signature	<i>Kim M. Powell</i>	Date Considered	5/8/05
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